

**Notice of Allowability**

Application No.

10/781,061

Examiner

Roberto Rábago

Applicant(s)

MATYJASZEWSKI ET AL.

Art Unit

1713

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/17/2005.
2. ☒ The allowed claim(s) is/are 68-86.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**Attachment to Notice of Allowability**

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/17/2005 has been entered.

***Examiner's Amendment***

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Bernard Pike on 2/1/2006.

**In the specification:**

In the amendment to page 1 of the specification, filed 2/18/2004, the new paragraph shall be inserted following the title. Furthermore, the new paragraph is amended as follows: in line 3, after "1999" insert -- , now abandoned --; in line 4, after "1998" insert -- , Pat. 6,538,091, --.

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On page 2, line 1, after "08/414,415" insert -- , Pat. 5,763,548 --.

On page 2, line 1, after "08/559,309" insert -- , Pat. 5,807,937 --.

On page 2, line 1, after "08/677,828" insert -- , Pat. 5,789,487 --.

On page 20, line 10, after "08/677,828" insert -- , Pat. 5,789,487 --.

On page 32, line 25, after "08/414,415" insert -- , Pat. 5,763,548, --.

On page 179, delete the handwritten words in the margin to the left of lines 1-5.

**In the claims:**

In claim 69, line 2, after "conventional" insert -- free --.

In claim 70, line 2, delete the first occurrence of "a".

In claim 70, line 3, after "conventional" insert -- free --.

In claim 71, delete the last two lines of the claim.

In claim 73, lines 3-4, delete "and the multifunctional initiator one of 2-halopropionyl halide and 2-haloisobutyronyl halide".

In claim 75, line 2, after "conventional" insert -- free --.

In claim 79, line 3, delete "macro initiates" and insert in its place -- compound --.

In claim 81, line 7, after "conventional" insert -- free --.

In claim 82, delete the last two lines of the claim.

In claim 84, line 7, after "conventional" insert -- free --.

In claim 85, line 6, delete the period after "site".

Amend claim 78 to read as follows:

78. (amended) A polymerization process, comprising:

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initiating a first polymerization of monomers using an initiator, wherein the first polymerization is selected from the group of cationic polymerization, anionic polymerization, ~~conventional free radical polymerization, metathesis, and~~ ring opening polymerization, ~~cationic ring opening polymerization, and coordination polymerization~~ to form a macromolecule;

quenching the first polymerization with a compound comprising an ATRP initiating site to form a macroinitiator comprising the macromolecule and an ATRP initiating site; and

initiating an ATRP polymerization using the macroinitiator comprising an ATRP initiating site.

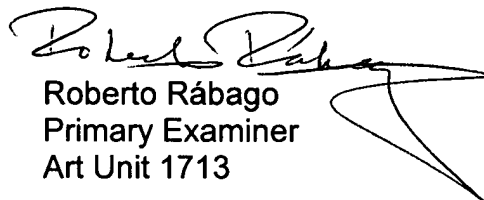
### ***Conclusion***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roberto Rábago whose telephone number is (571) 272-1109. The examiner can normally be reached on Monday - Friday from 8:00 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Roberto Rábago  
Primary Examiner  
Art Unit 1713

RR  
February 3, 2006